



## AIR NAIL GUN

MODEL: CNG1C

Part No. 3110390



OPERATING & MAINTENANCE  
INSTRUCTIONS



## SPECIFICATIONS

Min. Hose Size (ID) .....	6mm (1/4")
Air Inlet Connector .....	10mm Quick Fit
Ave. Air Consumption .....	0.47 cfm
Operating Pressure .....	4 - 7bar (60-100psi)
Air Pressure Max .....	8bar (116psi)
Nail Size .....	18gauge/15-50mm
Magazine Capacity .....	100
Drive Speed .....	200Shots/min
Sound Power Level .....	101dB <sub>LWA</sub>
Weight .....	1.4kg
Dimensions LxWxH .....	255x54.5x249
Part No .....	3110390

Please note that the details and specifications contained herein, are correct at the time of going to print. However CLARKE International reserve the right to change specifications at any time without prior notice. Always consult the machine's data plate

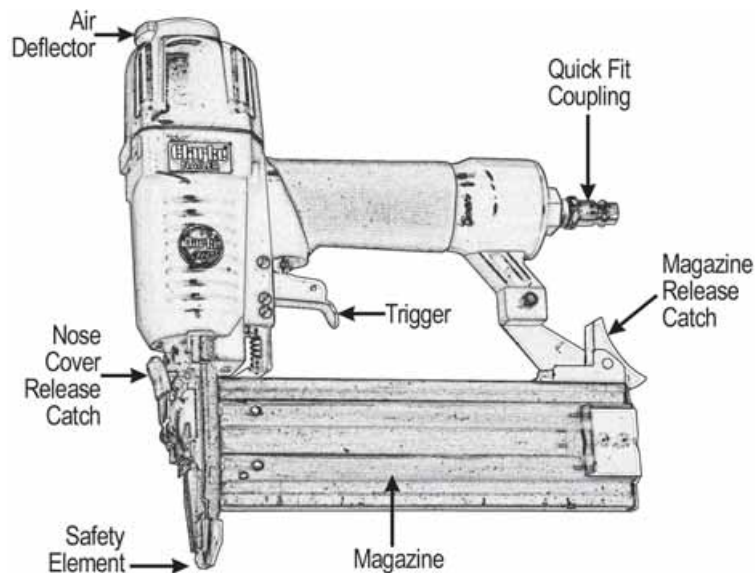
## RESTRICTIONS OF USE

### **This Nail Gun is suitable for use on materials such as:**

- Soft wood, Hardwood • MDF • Plywood • Hardboard • Fibreboard
- Corkboard • Flexible Plastics • Leather, Fabrics • PVC, Polythene sheet
- Foam Rubber

### **This Nail Gun is NOT suitable for use on materials such as:**

- Hard Laminates • Brittle Plastics • Metals (other than light foils)



**Please read these instructions carefully before operating the tool**

Thank you for purchasing this CLARKE Air Nail Gun

Before using the device, please read this leaflet thoroughly and carefully follow the instructions given. In doing so you will ensure the safety of yourself and that of others around you, and you can also look forward it giving long and satisfactory service.

## GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

## SAFETY PRECAUTIONS

### IMPORTANT

*Failure to follow these precautions could result in personal injury, and/or damage to property.*

1. When operating this tool, **ALWAYS** wear:
  - a. approved impact resistant SAFETY GOGGLES. (Eye glasses are NOT safety glasses)
  - b. EAR DEFENDERS
  - c. a good pair of INDUSTRIAL GLOVES
2. **ALWAYS** disconnect the tool from the air supply when not in use, and before carrying out any maintenance
3. **ALWAYS** keep a safe distance between yourself and others when using the tool.
4. **ALWAYS** Maintain the tool with care. Keep it clean for best/safest performance.
5. **NEVER** wear ill fitting clothing, remove watches and rings.
6. **NEVER** overreach. Keep your proper footing and balance at all times.
7. **NEVER** force or misuse the tool. It will do a better and safer job at the rate for which it was designed.
8. **NEVER** abuse hoses or connectors. NEVER carry a tool by the hose, or yank it to disconnect from the air supply. Keep hoses away from heat, oil and sharp edges. Check hoses for leaks or worn condition before use, and ensure that all connections are secure.
9. **NEVER** use with an air supply greater than 8bar (110 PSI), at the tool.
10. **NEVER** modify the tool in any way.
11. **NEVER** remove any labels. Damaged labels should be replaced.
12. **NEVER** point the tool at anyone.
13. **NEVER** carry the tool with your finger on the trigger.
14. **NEVER** use any other type of gas to operate this tool. Use compressed air ONLY.
15. **NEVER** load the tool with Nails BEFORE connecting to an air supply.
16. **NEVER** load the tool with the trigger depressed
17. **NEVER** use this tool if any part is damaged. Have it inspected and repaired by a competent technician
18. **NEVER** modify this tool in any way. Use it ONLY for the purpose for which it is designed.
19. **NEVER** fire tool at an incline.. it must be perpendicular to the work surface.
20. **NEVER** drive in Nails at the edge of a work surface, as the edge could fail and fly off, endangering yourself or others in the vicinity.

## AIR SUPPLY

### WARNING!

*Compressed air can be dangerous. Ensure that you are thoroughly familiar with all precautions relating to the use of compressors and compressed air supply.*

Tools of this type, operate on a wide range of air pressures. It is recommended that air pressure be set to between 60 and 100psi. at the tool when running.

Higher pressure and unclean air will shorten the tools' life and could be a safety hazard.

Water in the air line will cause damage to the tool, ensure it is properly maintained at all times.

The recommended procedure to connect this tool to an air supply, is shown on page 11.

The air inlet used for connecting air supply, is a 10mm Quick Fit type.

Line pressure, or hose ID., should be increased to compensate for unusually long air hoses (over 10M). Minimum hose dia. should be 6mm (1/4") ID., and fittings should have the same inside dimensions.

## ASSEMBLY

Ensure the tool is not loaded, then, with the air supply turned OFF, connect the air line to the Nailer at the Quick Fit coupling.

With your fingers well away from the trigger, and the tool pointed away from you, and anyone in the vicinity, depress the magazine catch, pull out the magazine and load with appropriate nails or staples...as shown, Push the magazine back until it locks in position, - Your Nailer/Stapler is now ready for use.

Turn ON the air supply, and check for air



## OPERATION

leaks. If any are apparent, rectify before proceeding. Ensure the operating pressure is set to between 4-7bar (60-100psi), depending upon the size of nail used and type of material being worked. The harder the material, and bigger the nail, the higher the pressure.

Hold the tool so that it is at right angles to the work. Lower it so that the Safety Element contacts the work surface, and is forced upwards. This movement releases the Trigger, which may now be pulled, driving in the nail.

### **CLEARING A JAM**

Should the gun jam, turn OFF the air supply and pull the trigger in order to ensure the airline is not under pressure. Release the nose catch (A Fig. 1), and clear the jammed nail from the within the nose. Secure the nose with the catch, turn ON the air supply and proceed to use the Nailer.

## MAINTENANCE

### Daily before use.

1. Drain water from compressor air tank, and air line.
2. Check and clean, if fitted, the air inlet gauze filter.
3. A bottle of CLARKE Air Line Oil\*\* is supplied with the kit. Squirt a few drops of oil (approx. 3cc), into the air inlet.

This should be carried out regardless of whether or not an air line lubricator is used.

### During Use.

For lubricating the internal components when in operation, an air line lubricator should be used, with Clarke Air Line Oil\*\*, adjusted to 2 drops per minute. (see p.11)

If an Air line lubricator is NOT used, this procedure should be repeated after every two to three hours of use.

### Storage.

If the Nailer is to be stored, or is idle for longer than 24 hours, run a few drops of Clarke Air Line Oil\*\* into the air inlet before storing.

### Notes

Be aware that factors other than the tool may effect its operation and efficiency such as reduced compressor output, excessive drain on the airline, moisture or restrictions in the line, or the use of connectors of improper size or poor condition which will reduce air supply.

Grit or gum deposits in the tool may also reduce efficiency. This condition can be corrected by cleaning the air strainer, if fitted, and flushing out the tool with gum solvent oil, or failing this, the tool should be disassembled, thoroughly cleaned, dried and reassembled.

If the tool runs erratically or becomes inefficient, and the air supply is sound, dismantle the piston assembly and replace worn or damaged parts, or take the tool to your CLARKE dealer.

\*\*Clarke Air Line Oil is available from your CLARKE dealer part no. 3050825.

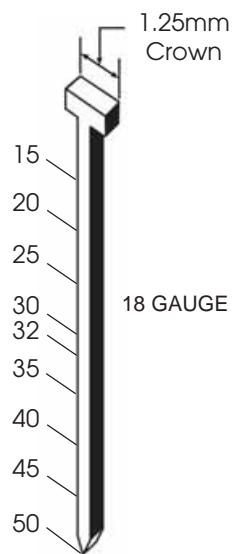
### IMPORTANT:

The use of parts other than CLARKE replacement parts may result in safety hazards, decreased tool performance and will invalidate your warranty.

## ACCESSORIES

A wide range of Airline accessories is available, including Filter/Regulators, Lubricators, High Pressure Hoses from 5 to 100 Metres, Whip hose etc. Contact your CLARKE dealer for further information, or CLARKE International Sales Department on 01992 565333

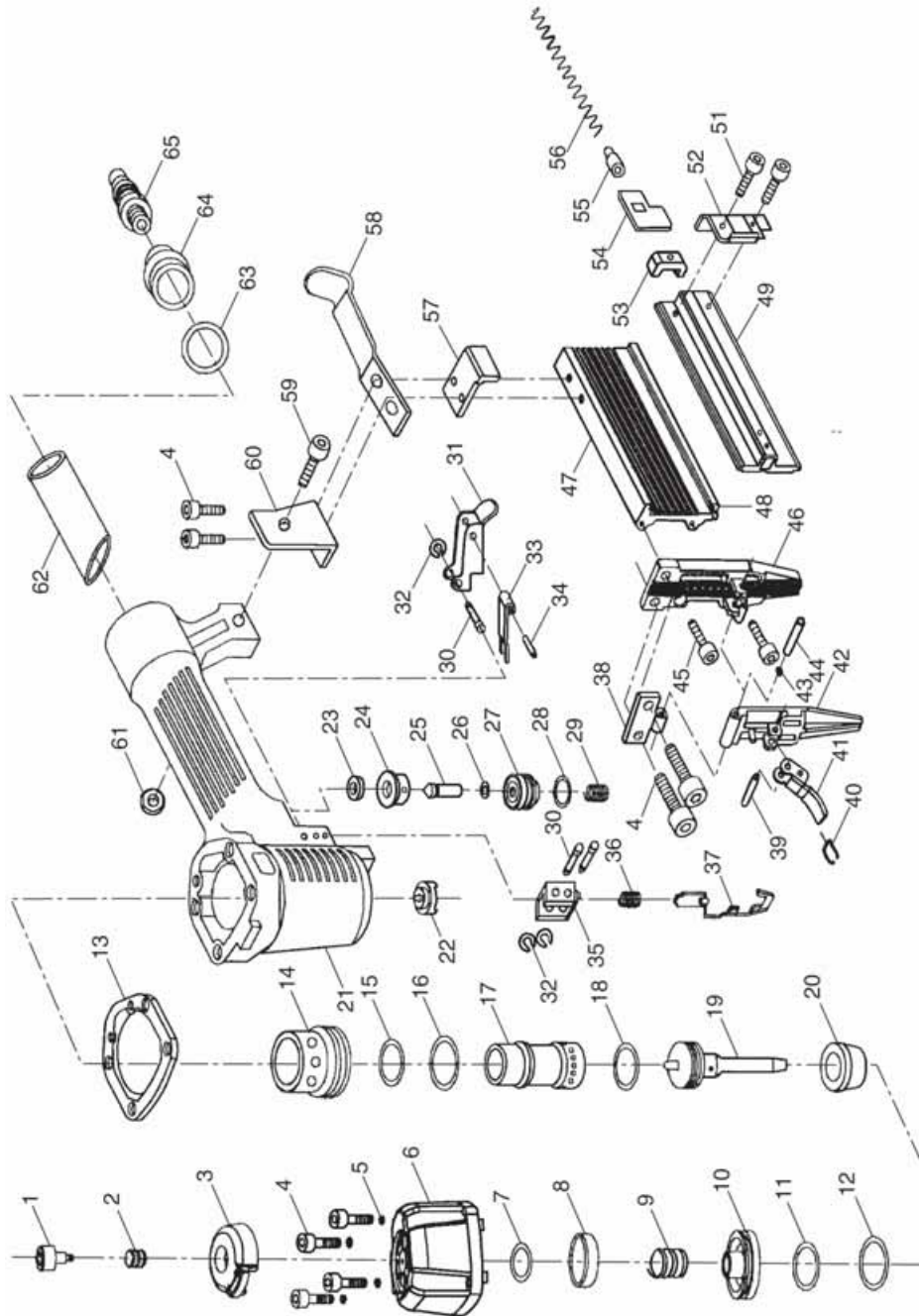
## CONSUMABLES



### Nails - 18 Gauge - 1.25mm Crown

Length	Part No:
15mm .....	1800413
20mm .....	1800415
30mm .....	1800417
32mm .....	1800419
35mm .....	1800421
40mm .....	1800423
45mm .....	1800425
50mm .....	1800427

## PARTS DIAGRAM

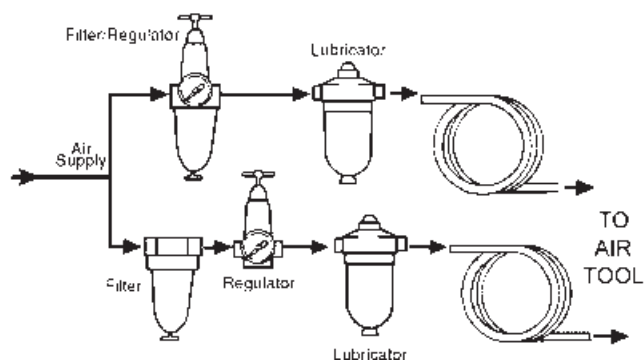




## PARTS LIST

No.	Description	Part No.	No.	Description	Part No.
1	Hex Skt. Hd. Bolt	HTCNG1C01	33	Bearing Plate	HTCNG1C33
2	Deflector Spring	HTCNG1C02	34	Pin 2.5x16	HTCNG1C34
3	Air Deflector	HTCNG1C03	35	Bracket	HTCNG1C35
4	Bolt M5x50	HTCNG1C04	36	Pusher Spring	HTCNG1C36
5	Spring Washer	HTCNG1C05	37	Safety Element	HTCNG1C37
6	Cylinder Head	HTCNG1C06	38	Spacer	HTCNG1C38
7	O-Ring 3.7x2.4	HTCNG1C07	39	Pin 4x20	HTCNG1C39
8	Sealing Washer	HTCNG1C08	40	Clasp	HTCNG1C40
9	Compression Spring	HTCNG1C09	41	Quick Release Handle	HTCNG1C41
10	Piston	HTCNG1C10	42	Nose Cover	HTCNG1C42
11	O-Ring 31.2x2.5	HTCNG1C11	43	Retaining Ring	HTCNG1C43
12	O-Ring 24.8x3.5	HTCNG1C12	44	Pin 2.5x16	HTCNG1C44
13	Gasket	HTCNG1C13	45	Bolt M4x12	HTCNG1C45
14	Exhaust Collar	HTCNG1C14	46	Guide Nose	HTCNG1C46
15	O-Ring 30x1.8	HTCNG1C15	47	Label	HTCNG1C47
16	O-Ring 42.6x2.35	HTCNG1C16	48	Nail Carrier	HTCNG1C48
17	Cylinder	HTCNG1C17	49	Magazine Slide Cover	HTCNG1C49
18	O-Ring 21x3	HTCNG1C18	52	End Plate	HTCNG1C52
19	Main Piston	HTCNG1C19	53	Clamp	HTCNG1C53
20	Shock Absorber	HTCNG1C20	54	Nail Pusher	HTCNG1C54
21	Gun Body	HTCNG1C21	55	Spring Adapter	HTCNG1C55
22	Rubber Washer	HTCNG1C22	56	Compression Spring	HTCNG1C56
23	Rectangle Washer	HTCNG1C23	57	Fixed Plate	HTCNG1C57
24	Trigger Valve Seat	HTCNG1C24	58	Fixed Lever	HTCNG1C58
25	Trigger Valve Stem	HTCNG1C25	59	Bolt M4x16	HTCNG1C59
26	O-Ring 1.7x2	HTCNG1C26	60	Support Bracket	HTCNG1C60
27	Trigger Valve Guide	HTCNG1C27	61	Nut M4	HTCNG1C61
28	O-Ring 11.2x2	HTCNG1C28	62	Rubber Grip	HTCNG1C62
29	Compression Spring	HTCNG1C29	63	O-Ring 36.3 x 3.55	HTCNG1C63
30	Pin	HTCNG1C30	64	End Cap	HTCNG1C64
31	Trigger	HTCNG1C31	65	Q/Release Coupling	HTCNG1C65
32	E-ring 2.5	HTCNG1C32			

## RECOMMENDED AIR SUPPLY CONNECTION



## DECLARATION OF CONFORMITY

We declare that these products comply to the following standards/directives

- **BS EN 792-13: 2000**

Model No: **CNG1C**

Serial or Batch number: **See product data plate**

signature: \_\_\_\_\_

  
L. E. Fergusson  
SERVICE MANAGER

## SPARE PARTS & SERVICING CONTACTS

For Spare Parts and Service, please contact your nearest dealer, or CLARKE International, on one of the following numbers.

**PARTS & SERVICE TEL: 020 8988 7400**

**PARTS & SERVICE FAX: 020 8558 3622**

**or e-mail as follows:**

**PARTS: [Parts@clarkeinternational.com](mailto:Parts@clarkeinternational.com)**

**SERVICE: [Service@clarkeinternational.com](mailto:Service@clarkeinternational.com)**